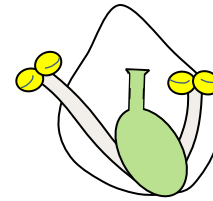


# Yulee Lee



## ACADEMIC HISTORY

- 2019 – 2023 Doctor of Philosophy of Science, Graduate School of Science and Technology, Niigata University, Japan. Supervisor: Prof. Dr. Takashi Shiga
- 2017 – 2019 Master of Science, Department of Medicinal Plant Resources. Andong National University, Republic of Korea. Supervisor: Prof. Dr. Gyu Young Chung
- 2011 – 2015 Bachelor of Agriculture, Major of Medicinal Plant Resources. Andong National University, Republic of Korea.

## RESEARCH EXPERIENCE

- 2019 – 2023 Ph.D. thesis, Graduate School of Science and Technology, Niigata University, JP, Supervisor: Prof. Dr. Takashi Shiga  
Title of thesis: An evolutionary biological study of the subfamily Lemnoideae (Araceae) with special reference to the genus *Lemna* in East Asia
- 2017 – 2019 Master dissertation, Department of Medicinal Plant Resources, Andong National University, KR, Supervisor: Prof. Dr. Gyu Young Chung  
Title of dissertation: A taxonomic study on *Lindernia* in Korea
- 2024 Aug.– Research Fellow**, Institute of Agricultural Biology and Biotechnology, National Research Council, IT, Principal Investigator: Prof. Dr. Laura Morello  
Title of Project: "Genetic characterization of the plant germplasm collection Landolt duckweed collection" on the topic "In vitro cultivation, genetic and physiological characterization of aquatic plants for the production of alternative proteins"  
**Main work:** Flowering induction of genus *Lemna* (sect. *Alatae*, sect. *Lemna*) and producing hybrids through artificial pollination
- 2024 Aug. Visiting researcher, Leibniz Institute of Plant Genetics and Crop Plant Research, DE, Principal Investigator: Prof. Dr. Ingo Schubert  
**Main work:** Flowering induction of genus *Lemna* (sect. *Alatae*, sect. *Lemna*) and confirming its sexual traits
- 2023 – 2024 Postdoctoral Researcher, Faculty of Education, Niigata University, JP, Supervisor: Prof. Dr. Takashi Shiga  
Title of Project: Flora Survey of the Izumino Hills including Masugata (Aquatic plant Flora research)
- 2021 Graduate Researcher, Graduate School of Science and Technology, Niigata University, JP, Supervisor: Prof. Dr. Takashi Shiga  
Title of Project: Monitoring site 1000 (Aquatic plant Flora research)

- 2018 Graduate Researcher, Andong National University, KR, Supervisor: Prof. Dr. Gyu Young Chung  
Title of Project: Study on the characteristics of *Cardamine komarovii* Nakai, *Polygala japonica* Houtt. for the examination of new cultivar
- 2018 Graduate Researcher, Andong National University, KR, Supervisor: Prof. Dr. Gyu Young Chung  
Title of Project: Silvics of Korea series (Genus *Ligustrum* L.)
- 2017 Graduate Researcher, Andong National University, KR, Supervisor: Prof. Dr. Gyu Young Chung  
Title of Project: Study on the characteristics of *Hydrocotyle maritima* Honda, *Ixeris repens* (L.) A. Gray for the examination of new cultivar

## PUBLICATIONS

### Research Articles

#### 2025

- Stepanenko A, Braglia L, Fuchs J, Schubert V, Hoang PTN, **Lee Y**, Chen G, Gianì S, Morello L, Schubert I. Genome diversity and evolution of the duckweed section *Alatae* comprising diploids, polyploids, and interspecific hybrids. *The Plant Journal*. 122(2):e70158.
- Romano LE, Braglia L, Iannelli MA, **Lee Y**, Gianì S, Gavazzi F, Morello L. A survey of duckweed species in Southern Italy provided first distribution records of the hybrid *Lemna* × *mediterranea* in nature. *Perspectives in Plant Ecology. Evolution and Systematics*. 67:125863.

#### 2024

- **Lee Y**, Kato S, Kim JY, Shimono Y, Shiga T. Two lineages of *Lemna aequinoctialis* (Araceae, Lemnoideae) based on physiology, morphology, and phylogeny. *Journal of Plant Research*. 137(3):359-376.

#### 2023

- **Lee Y**, Kim JY, Chung GY, Shiga T. A new distribution record of *Lemna turionifera* (Araceae, Lemnoideae) in Korea. *Journal of Asia-Pacific Biodiversity*. 16(2):261-266.

#### 2021

- **Lee Y**(李 裕梨), Naito H, Shiga T, Kato S. A new locality of *Blyxa alternifolia* (Miq.) Hartog in Gifu Prefecture. *Bulletin of Water Plant Society, Japan*, 111:37-39. [in Japanese with English Abstract]
- Jo HJ, Kim JY, **Lee Y**, Park SH, Kwon MJ, Jeong S, Chung GY. A taxonomic revision of the *Boehmeria spicata* complex (Urticaceae) in Korea. *Korean Journal of Plant Taxonomy*. 51(2):115-132.

#### 2020

- **Lee Y**, Choi HJ, Shiga T. Taxonomic Identity of *Landoltia punctata* (Araceae, Lemnoideae) in Korea. *Journal of Asia-Pacific Biodiversity*. 13(3):494-498.

## Project Reports

- Han EK, Chung GY, Choi HJ, Eom HS, Lee JK, Lee JH, Choi MJ, **Lee Y**, Cho WB. *Ligustrum*. In Silvics of Korea series. Korea National Arboretum [in Korean] **(forthcoming)**

## 2025

- Koike M, Kato S, **Lee Y**, Miura K, Naito H, Oshima M, Sato T, Shiga T. Flora of Masugata pond and its surrounding area (Shibata City, Niigata Prefecture, Japan) and the effects of light conditions on wetland vegetation. Bulletin of the Faculty of Education, Natural Sciences 17(2):15-61 [in Japanese with English Abstract]

## 2019

- Chung GY, Jung S, Kim JY, Jo HJ, **Lee Y(이유리)**, Park SH. *Cardamine komarovii* and *Polygala japonica*. In: Chung GY (ed) Life Characteristics of Plant Resources from Korean Forest (9). National Forest Seed Variety Center, pp 159-242. [in Korean]
- Chung GY, Jung S, Kim JY, Jo HJ, **Lee Y(이유리)**, Park SH, Kim T, Ryu M. Study on the characteristics of *Cardamine komarovii* Nakai for the examination of new cultivar. National Forest Seed Variety Center. [in Korean]
- Chung GY, Jung S, Kim JY, Jo HJ, **Lee Y(이유리)**, Park SH, Kim T, Ryu M. Study on the characteristics of *Polygala japonica* Houtt. for the examination of new cultivar. National Forest Seed Variety Center. [in Korean]

## 2018

- Chung GY, Jung S, Kim JY, Jo HJ, Cha MH, **Lee Y(이유리)**, Jang YS, Kim T, Hwang J. Study on the characteristics of *Hydrocotyle maritima* Honda for the examination of new cultivar. National Forest Seed Variety Center. [in Korean]
- Chung GY, Jung S, Kim JY, Jo HJ, Cha MH, **Lee Y(이유리)**, Jang YS, Kim T, Hwang J. Study on the characteristics of *Ixeris repens* (L.) A. Gray for the examination of new cultivar. National Forest Seed Variety Center. [in Korean]

## CONTRIBUTIONS TO CONFERENCES, SYMPOSIA, AND RESEARCH SEMINARS

### Oral Presentations (as first author)

## 2024

- 55th Annual meeting of The Korean Society of Plant Taxonomists, Gongju, KR: "The diverse flower of the tiny aquatic plant, *Lemna* (Araceae, Lemnoideae), and its dispersal in Japan" (**Young researcher, invited speaker**)

## 2023

- 78th Annual Meeting of the Korean Association of Biological Sciences, Chuncheon, KR: "An evolutionary biological study of the genus *Lemna* L. (Araceae) in East Asia" (**invited speaker**)

- 22nd Annual Meeting of The Japanese Society for Plant Systematics, Chiba, JP: "New insight into hybridization event in *Lemna japonica* and related species with special reference to physiological characteristics"

## 2022

- 43rd Annual Meeting of Bulletin of Water Plant Society, Hokkaido (online), JP: "Is the all *Lemna trisulca* in Japan clone?: Evaluation of genetic diversity based on genome information"
- 21st Annual Meeting of The Japanese Society for Plant Systematics, Kanagawa (online), JP: "Taxonomic re-examination of Japanese endemic species, *Lemna aoukikusa*"

## 2021

- 42nd Annual Meeting of Bulletin of Water Plant Society, Niigata (online), JP: "Taxonomic re-examination of Japanese endemic species, *Lemna aoukikusa*"
- 47th Annual Meeting of The Japanese Society of Limnology in Koshinetsu Branch, Niigata (online), JP: "Taxonomic re-examination of Japanese endemic species, *Lemna aoukikusa* and cosmopolitan species, *L. aequinoctialis*"

## 2019

- 41st Annual Meeting of Bulletin of Water Plant Society, Aomori, JP: "A taxonomic study on *Lindernia* in Korea"

## Poster Presentations as first author

## 2023

- Workshop "Duckweed Research and Applications for the Circular Bioeconomy in Ireland", Cork, IE: "Two lineages of *Lemna aequinoctialis sensu lato* based on physiology, morphology, and phylogeny"

## 2021

- 9th East Asian Plant Diversity and Conservation, Seoul, KR (online): "Taxonomic re-examination of Japan endemic taxa, *Lemna aoukikusa* (Araceae, Lemnoideae)"

## 2019

- 50th Annual meeting of The Korean Society of Plant Taxonomists, Chuncheon, KR: "A taxonomic study on *Lindernia* in Korea"

## AWARDS, SCHOLARSHIP, AND GRANTS

## 2023

- Young Scientist Award at 78th conference of The Korean Association of Biological Sciences in Chuncheon, KR (200,000 ₩)

## 2021

- JST SPRING (Japan Science and Technology Agency, Support for Pioneering Research Initiated by the Next Generation) grant, JP (1,200,000 ¥, 6 months)

## 2015

- BRAIN scholarship from Hope Foundation for Rural Community, KR (2,000,000 ₩)

**2011–2014**

- Tuition scholarship for excellence in grades from Andong National University, KR

**SERVICES****Teaching Experience**

- 2023: Guest lecturer in class entitled “Laboratory Work in Biology I” at Faculty of Education, Niigata University, JP
- 2020 – 2022: Teaching Assistant in class entitled “Plant Field Survey Practice” at Faculty of Education, Niigata University, JP
- 2017 – 2019: Teaching Assistant in class entitled “Botany and Lab.” at Major of Medicinal Plant Resources. Andong National University, KR

**Other services**

- 2014: Volunteering (Activities to increase awareness of environmental protection among university students) at the Ministry of Environment in Daegu, KR
- 2012 – 2013: Mentor/Mentee in ANU Family Community program to support junior students in Andong National University, KR

Date: 30. Apr. 2025

Signature:

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